

PATENT APPLICATION

Docket No: 11675.165

DECLARATION, POWER OF ATTORNEY, AND PETITION

We, Zhiping Yin and Mark Jost, declare: that we are citizens of the People's Republic of China and the United States of America, respectively; that our residences and post office addresses are 1462 East Regatta Street, Boise, Idaho 83706 and 1298 Raintree, Boise, Idaho 83712, respectively; that we verily believe we are the original, first, and joint inventors of the subject matter of the invention or discovery entitled PLASMA TREATMENT OF AN INTERCONNECT SURFACE DURING FORMATION OF AN INTERLAYER DIELECTRIC and now identified as File No. 11675.165 of the law firm of Workman, Nydegger & Seeley, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, Utah 84111, and filed in the United States Patent and Trademark Office as Serial No. 09/143,289 on August 28, 1998; that we have reviewed and understand the contents of the above-identified specification, including the claims referred to, and that we acknowledge the duty to disclose information which is material to the examination of this application in accordance with Section 1.56(a) of Title 37 of the Code of Federal Regulations.

We declare further that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the application or any patent issuing thereon.

We hereby appoint as our attorneys and/or patent agents: RICK D. NYDEGGER, Registration No. 28,651; DAVID O. SEELEY, Registration No. 30,148; JONATHAN W.

006280-98ET5960

09651386-082900

RICHARDS, Registration No. 29,843; JOHN C. STRINGHAM, Registration No. 40,831; MICHAEL F. KRIEGER, Registration No. 35,232; BRADLEY K. DeSANDRO, Registration No. 34,521; JOHN M. GUYNN, Registration No. 36,153; GREGORY M. TAYLOR, Registration No. 34,263; DANA L. TANGREN, Registration No. 37,246; ERIC L. MASCHOFF, Registration No. 36,596; KEVIN B. LAURENCE, Registration No. 38,219; JEFFREY L. RANCK, Registration No. 38,590; C. J. VEVERKA, Registration No. 40,858; ROBYN L. PHILLIPS, Registration No. 39,330; DAVID B. DELLENBACH, Registration No. 39,166; TIMOTHY M. FARRELL, Registration No. 37,321; LENA I. VINITSKAYA, Registration No. 39,448; JOHN N. GREAVES, Registration No. 40,362; KEVIN K. JOHANSON, Registration No. 38,506; VANESSA B. PIERCE, Registration No. P-42,074; R. BURNS ISRAELSEN, Registration No. P-42,685; MICHAEL T. SANDERSON, Registration No. P-43,082; MICHAEL L. LYNCH, Registration No. 30,871; and LIA P. DENNISON, Registration No. 34,095, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith. All correspondence and telephonic communications should be directed to:

BRADLEY K. DeSANDRO
WORKMAN, NYDEGGER & SEELEY
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

Wherefore, we pray that Letters Patent be granted to us for the invention or discovery described and claimed in the foregoing specification and claims, declaration, power of attorney, and this petition.

Signed at Boise, ID, this 14 day of May, 1999.

Inventor:

Zhiping Yin
Zhiping Yin
1462 East Regatta Street
Boise, Idaho 83706

Signed at Boise, Idaho this 17th day of May, 1999.

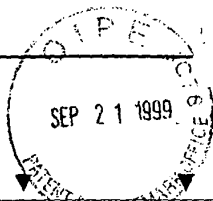
Inventor:

Mark Jost
Mark Jost
1298 Raintree
Boise, Idaho 83712

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RE

FORM PTO-1595 (Modified)
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)
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P08A/REV02



RECORDATION

PAT

09-28-1999



11675.165.1

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Zhiping Yin
Mark Jost

MPD
9-21-99

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: May 17, 1999

2. Name and address of receiving party(ies):

Name: Micron Technology, Inc.

Address: 8000 South Federal Way

P.O. Box 6

City: Boise

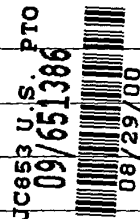
State/Prov.: ID

Country: USA

ZIP: 83707-0006

Additional name(s) & address(es)

☐ Yes ☒ No



4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

Patent Application No.

Filing date

B. Patent No.(s)

09/293,188

April 16, 1999

Additional numbers

☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Bradley K. DeSandro

Registration No. 34,521

Address: 1000 Eagle Gate Tower

60 East South Temple

City: Salt Lake City

State/Prov.: UT

Country: USA

ZIP: 84111

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00

☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☐ Authorized to be charged to deposit account

8. Deposit account number:

23-3178

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Bradley K. DeSandro

Bradley K. DeSandro

Name of Person Signing

Signature

9/17/1999

Date

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Total number of pages including cover sheet, attachments, and

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06-23-1999

Docket No.: 11675.165.1

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Yin et al.

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: _____

2. Name and address of receiving party(ies):

Name: Micron Technology, Inc.

Address: 8000 South Federal Way

P.O. Box 6

City: Boise State/Prov.: ID

Country: USA ZIP: 83707-0006

Additional name(s) & address(es) ☐ Yes ☒ No

4. Application number(s) or registration numbers(s):

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Patent Application No.

Filing date

09/293,188

April 16, 1999

B. Patent No.(s)

06/22/1999 AMDHAMME 00000012 09293188

02 FC:581

40.00 DP

Additional numbers

☐ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: BRADLEY K. DeSANDRO

Registration No. 34,521

Address: 1000 EAGLE GATE TOWER

60 EAST SOUTH TEMPLE

City: SALT LAKE CITY State/Prov.: UTAH

Country: USA ZIP: 84111

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00

☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☐ Authorized to be charged to deposit account

8. Deposit account number:

23-3178

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

BRADLEY K. DeSANDRO

Name of Person Signing

Signature

June 11, 1999

Date

Total number of pages including cover sheet, attachments, and

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WHEN RECORDED RETURN TO:

Workman, Nydegger & Seeley
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

PATENT APPLICATION

Docket No: 11675.165

ASSIGNMENT

We, Zhiping Yin and Mark Jost, of 1462 East Regatta Street, Boise, Idaho 83706 and 1298 Raintree, Boise, Idaho 83712, respectively, have invented a method and apparatus entitled PLASMA TREATMENT OF AN INTERCONNECT SURFACE DURING FORMATION OF AN INTERLAYER DIELECTRIC, hereinafter called the "invention."

Preferred embodiments of said invention are disclosed in a United States patent application, and now identified as File No. 11675.165 of the law firm of Workman, Nydegger & Seeley, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, Utah 84111, and filed in the United States Patent and Trademark Office as Serial No. 09/143,289 on August 28, 1998.

The Assignee, Micron Technology, Inc., a corporation of the State of Delaware, having a principal place of business at 8000 South Federal Way, Boise, Idaho 83707-0006, desires to secure the entire right, title and interest in said invention.

For good and valuable consideration paid to us by the Assignee, the receipt and sufficiency of which we hereby acknowledge, WE HEREBY ASSIGN TO THE ASSIGNEE:

The entire right, title and interest in said invention in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing thereon in the United States and foreign countries.

The right to file foreign patent applications on said invention in its own name, wherever such right may be legally exercised, including the right to claim the benefits of the International Convention for such applications.

We hereby authorize and request the United States Commissioner of Patents and Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all patents on said invention to the Assignee as the owner of the entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives.

We hereby agree, without further consideration and without expense to us, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of us to make this Assignment fully effective, including, by way of example but not of limitation, the following:

Prompt execution of all original, divisional, substitute, reissue, and other United States and foreign patent applications on said invention, and all lawful documents requested by the Assignee to further the prosecution of any of such patent applications.

Cooperation to the best of our ability in the execution of all lawful documents, the production of evidence, nullification, reissue, extension, or infringement proceedings involving said invention.

This assignment and agreement shall be binding upon our heirs and legal representatives.

Dated this 14 day of May, 1999.

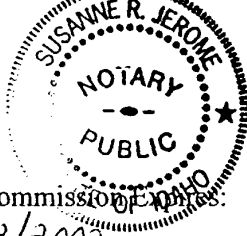
Zhiping Yin
Zhiping Yin

STATE OF IDAHO)

: SS.

COUNTY OF Ada)

On May 14th, 1999, before me personally appeared Zhiping Yin, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein.



Susanne R. Jerome
NOTARY PUBLIC
Residing at Middleton, Id.

My Commission Expires:
3/12/2002

Dated this 17 day of May, 1999.

Mark Jost
Mark Jost

STATE OF IDAHO)

: SS.

COUNTY OF Ada)

On May 17th, 1999, before me personally appeared Mark Yost, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein.



Susanne R. Jerome
NOTARY PUBLIC
Residing at Middleton, Id.

My Commission Expires:
3/12/2002

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UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

DECEMBER 14, 1999

PTAS

BRADLEY K. DESANDRO
1000 EAGLE GATE TOWER
60 EAST SOUTH TEMPLE
SALT LAKE CITY UT 84111



UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/18/1999

REEL/FRAME: 010264/0180
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
YIN, ZHIPING

DOC DATE: 05/17/1999

ASSIGNOR:
JOST, MARK

DOC DATE: 05/17/1999

ASSIGNEE:
MICRON TECHNOLOGY, INC.
8000 SOUTH FEDERAL WAY
P.O. BOX 6
BOISE, IDAHO 83707-0006

SERIAL NUMBER: 09293188
PATENT NUMBER:

FILING DATE: 04/16/1999
ISSUE DATE:

010264/0180 PAGE 2

SHARON LATIMER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS